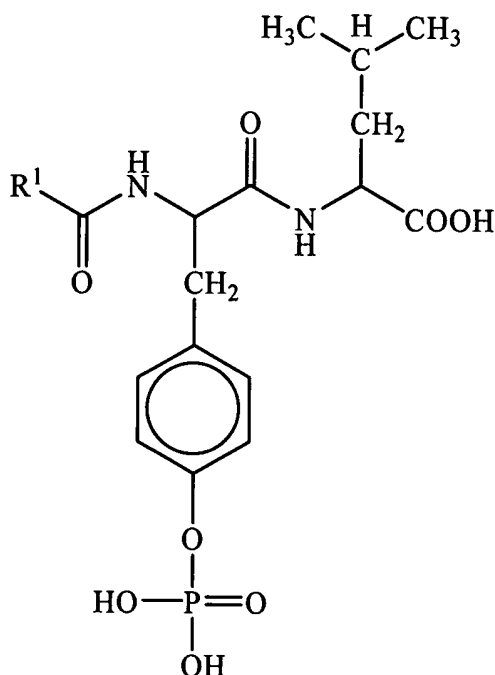


In the Claims

1 (currently amended). A peptidomimetic having the structure shown in formula I:



(I)

wherein

~~R<sup>1</sup> is selected from the group consisting of alkoxy, cycloalkyl, cycloalkoxy, aryl, aryloxy, alkylcarbonyl, alkoxy carbonyl, cycloalkylcarbonyl, heteroalkyl, heterocycloalkylcarbonyl, heteroaryl, arylcarbonyl, heteroarylcarbonyl, aryloxy carbonyl, heteroaryloxy carbonyl, heterocycloalkoxy, or heterocycloalkoxy carbonyl, aryl or heteroaryl, any either~~ of which can be optionally substituted with one or more of the following: any halogen, -CN, -COOH, =O, -OH, -NO<sub>2</sub>, -NH<sub>2</sub>, -N-alkyl, alkyl, alkoxy, cycloalkyl, cycloalkoxy, aryl, aryloxy, alkylcarbonyl, alkoxy carbonyl, cycloalkylcarbonyl, heteroalkyl, heterocycloalkyl, heterocycloalkylcarbonyl, heteroaryl, arylcarbonyl, heteroarylcarbonyl, aryloxy carbonyl, heteroaryloxy carbonyl, heterocycloalkoxy, and heterocycloalkoxy carbonyl;

or a salt thereof.

2 (previously presented). The peptidomimetic according to claim 1, wherein R<sup>1</sup> is aryl optionally substituted with one or more halogen, -CN, -NO<sub>2</sub>, -NH<sub>2</sub>, -CH<sub>3</sub>, or -OCH<sub>3</sub>.

3 (previously presented). The peptidomimetic according to claim 2, wherein said one or more halogen is, independently, Cl or F.

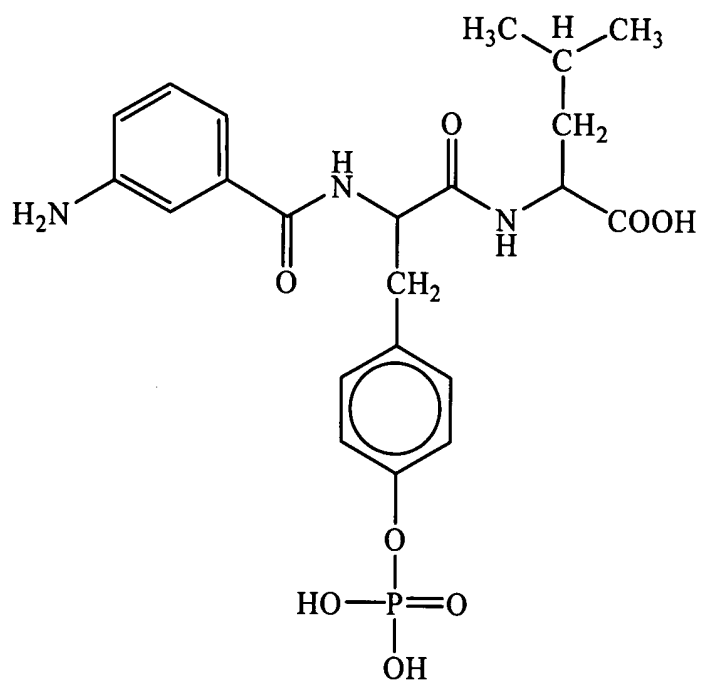
4 (previously presented). The peptidomimetic according to claim 2, wherein said aryl is phenyl optionally substituted with one or more halogen, -CN, -NO<sub>2</sub>, -NH<sub>2</sub>, -CH<sub>3</sub>, or -OCH<sub>3</sub>.

5 (previously presented). The peptidomimetic according to claim 4, wherein said one or more halogen is, independently, Cl or F.

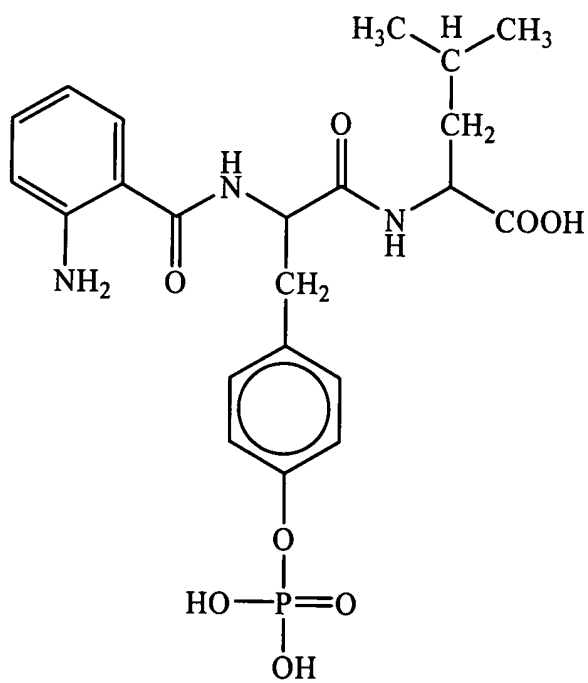
6 (previously presented). The peptidomimetic according to claim 1, wherein R<sup>1</sup> is heteroaryl optionally substituted with one or more halogen, -CN, -NO<sub>2</sub>, -NH<sub>2</sub>, -CH<sub>3</sub>, or -OCH<sub>3</sub>.

7 (previously presented). The peptidomimetic according to claim 6, wherein said one or more halogen is, independently, Cl or F.

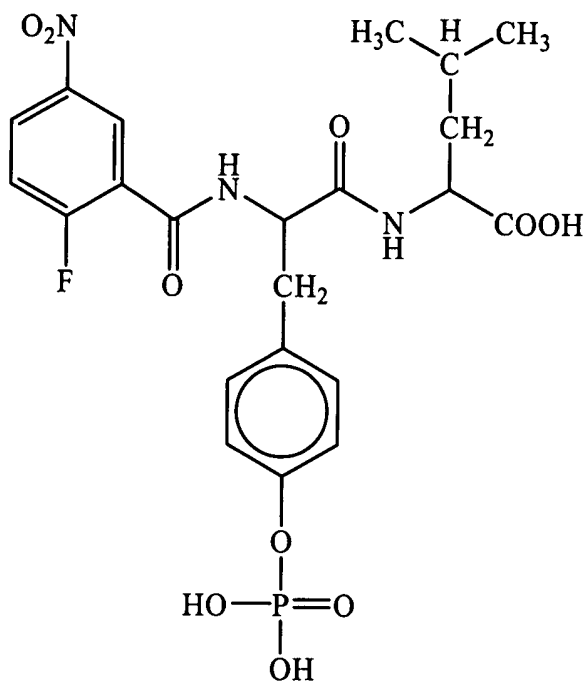
8 (currently amended). The peptidomimetic according to claim 1, selected from the group consisting of:



[[or]]

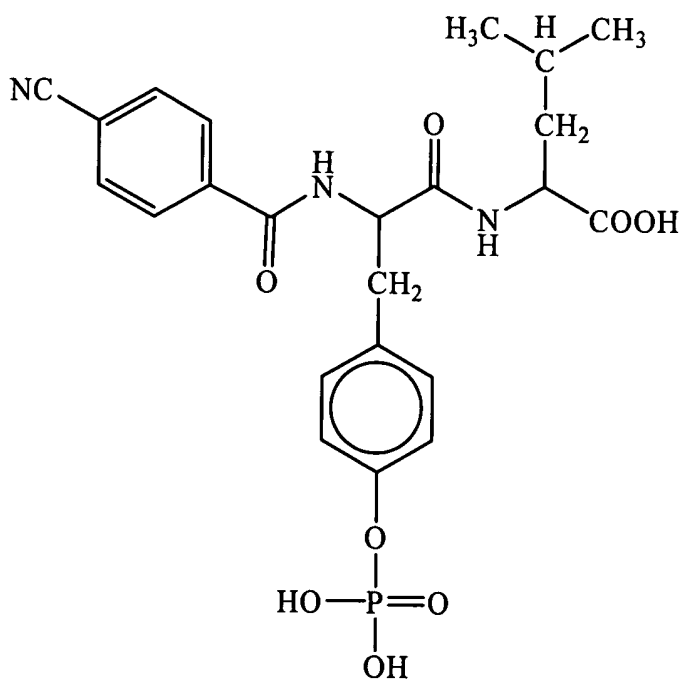


[[or]]



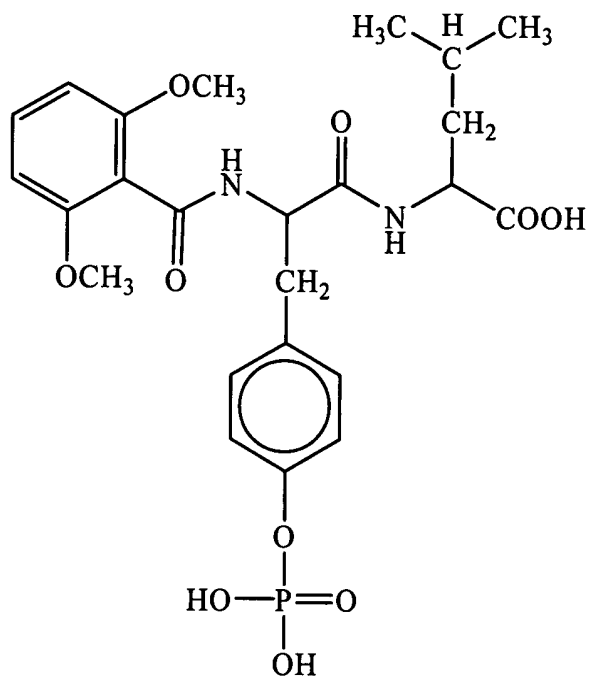
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[[or]]

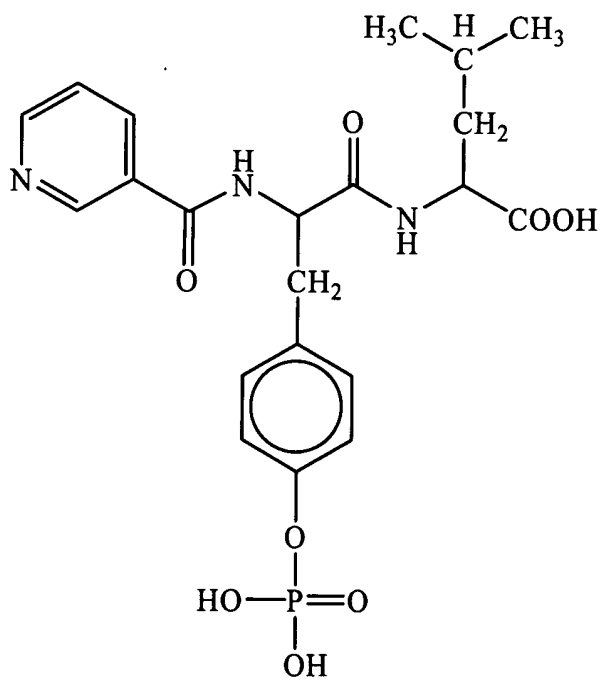


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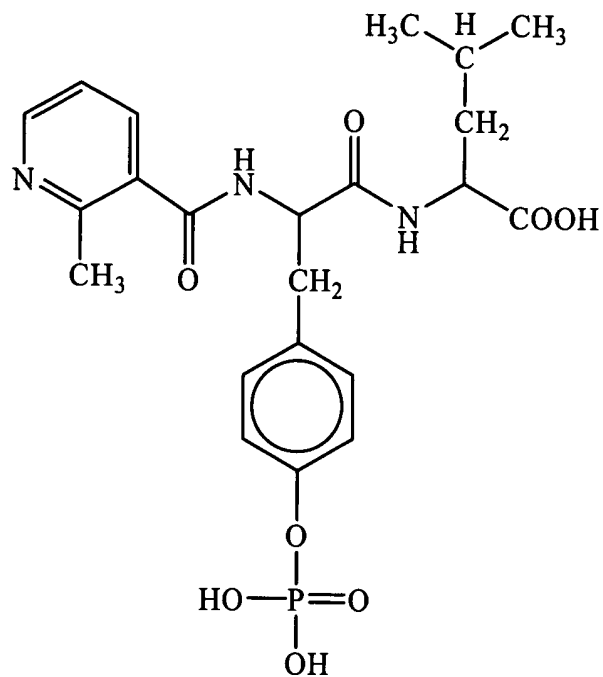
[[or]]



[[or]]

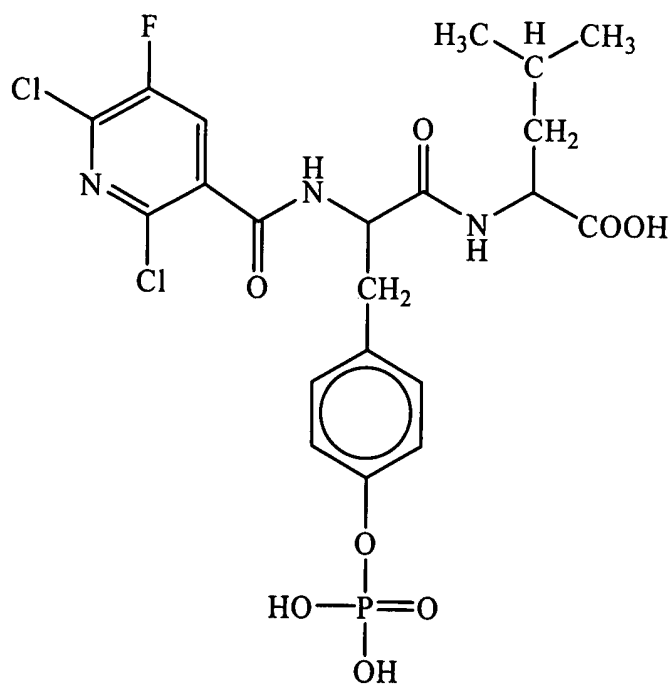


[[or]]



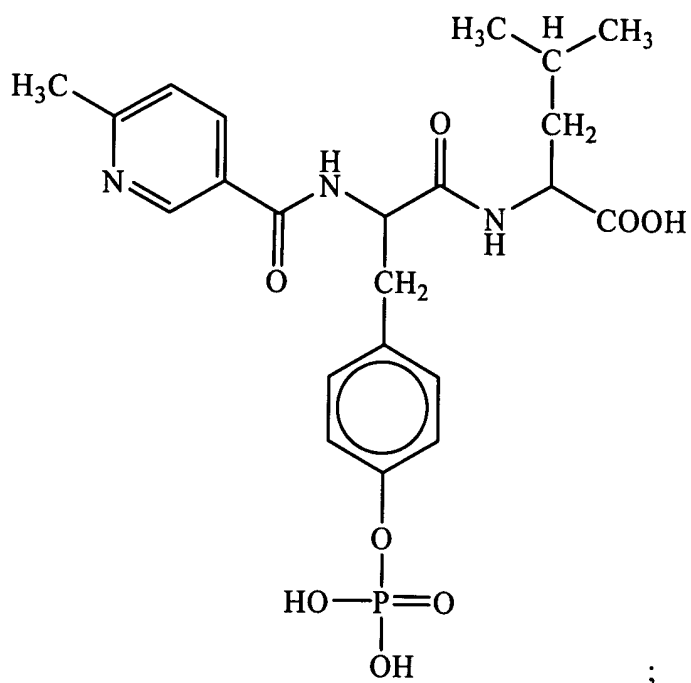
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[[or]]

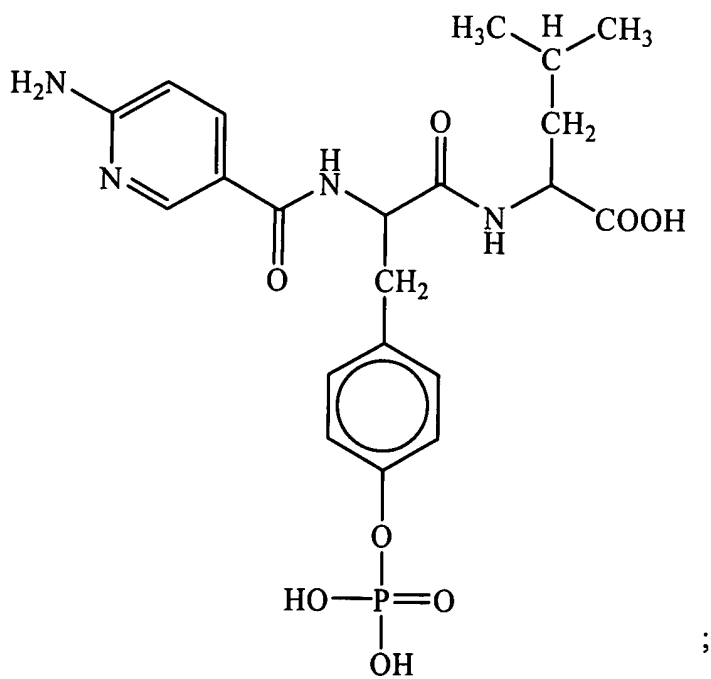


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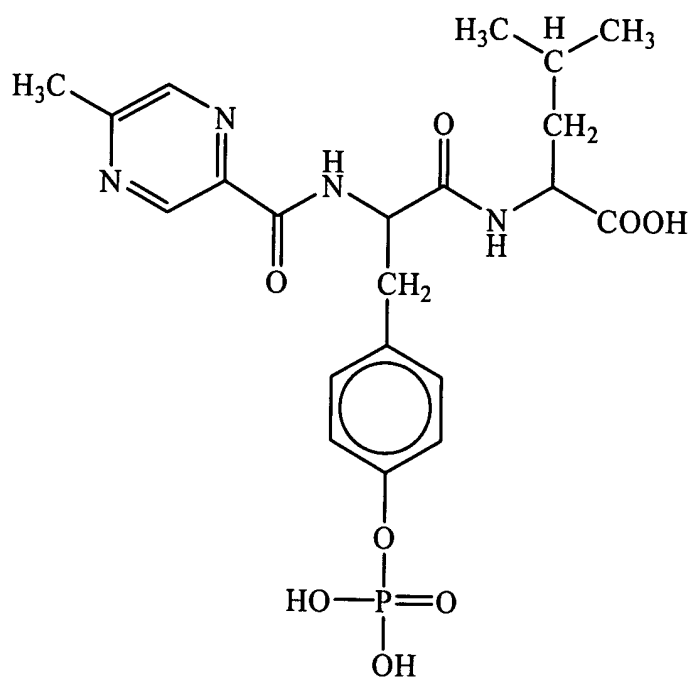
[[or]]



[[or]]

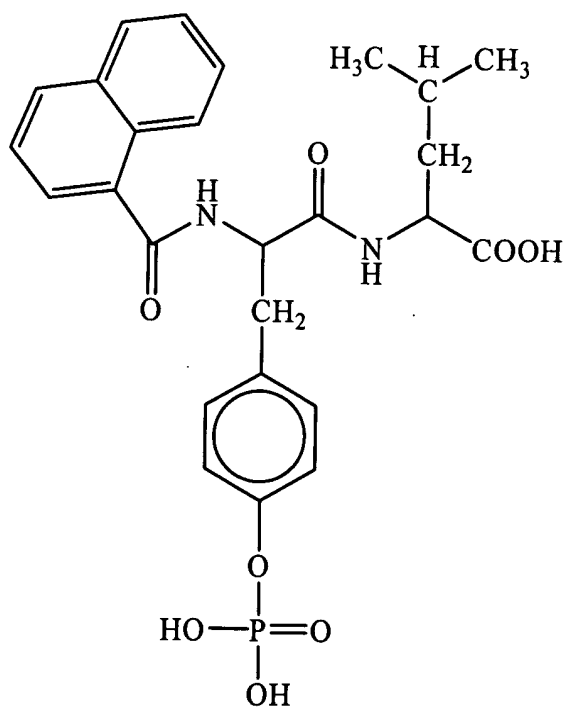


[[or]]



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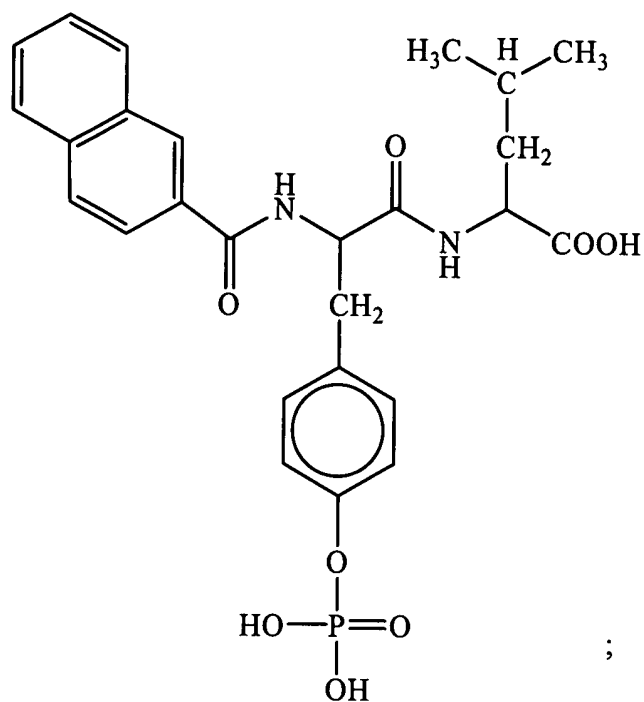
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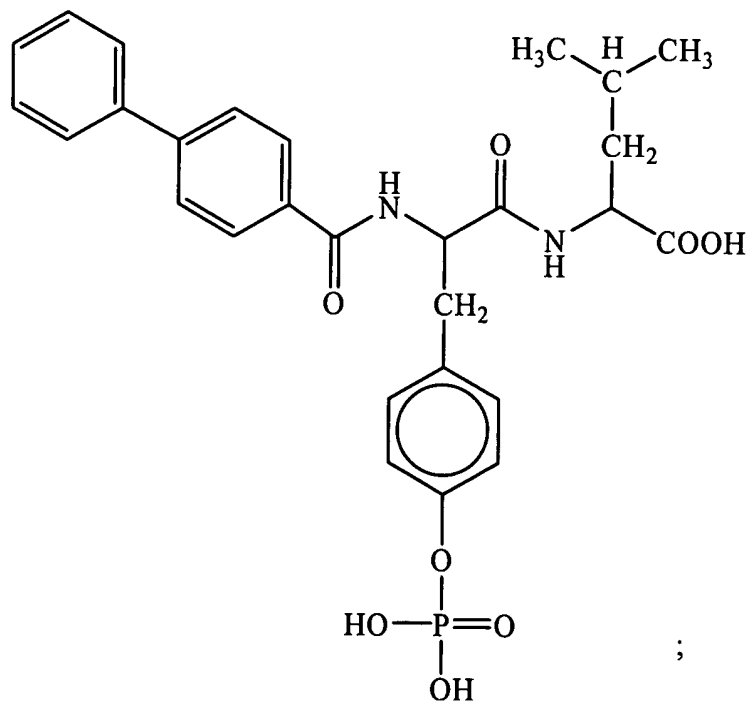
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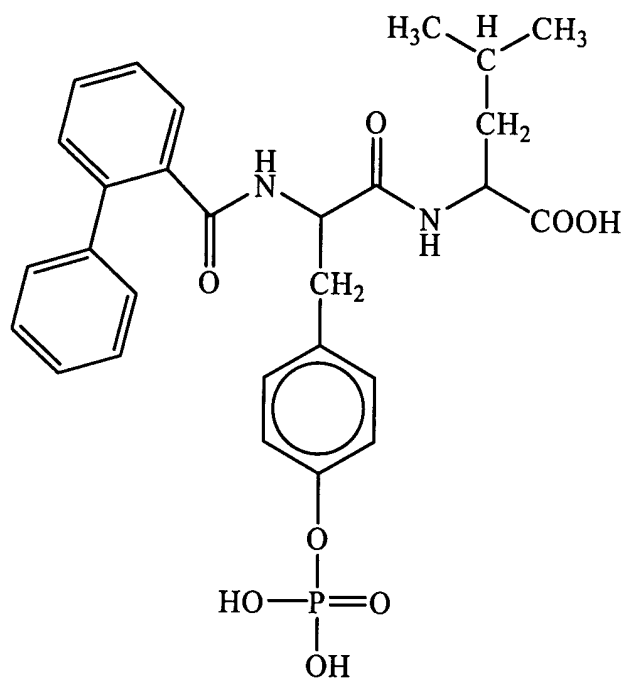
[[or]]



[[or]]

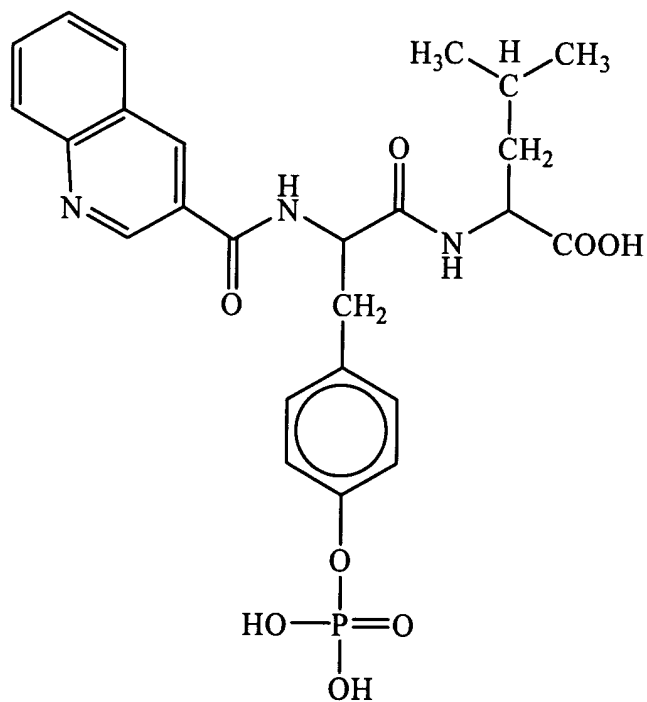


[[or]]



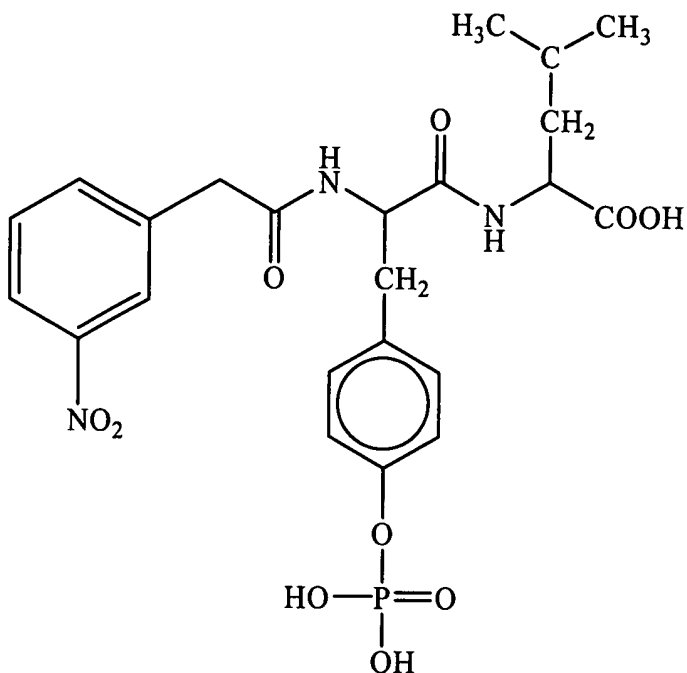
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[[or]]



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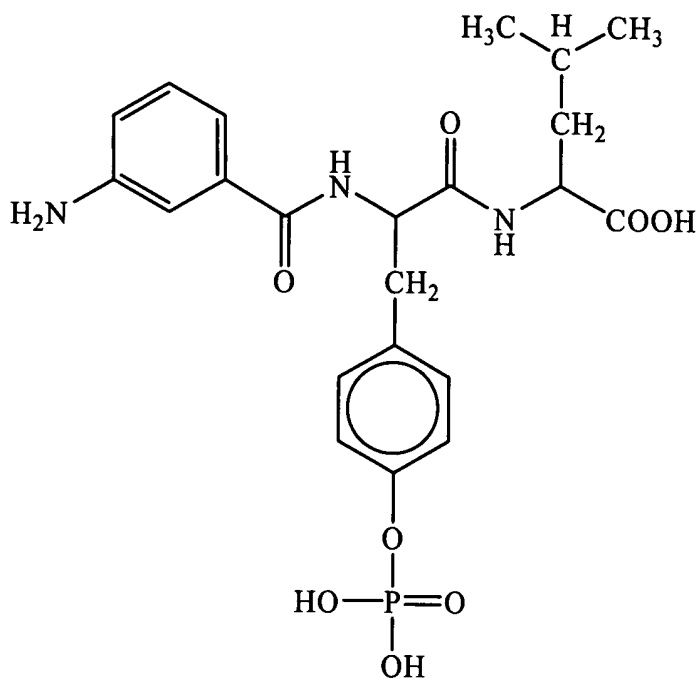
and



9 (previously presented). A composition comprising a peptidomimetic of claim 1 in a pharmaceutically acceptable carrier or diluent.

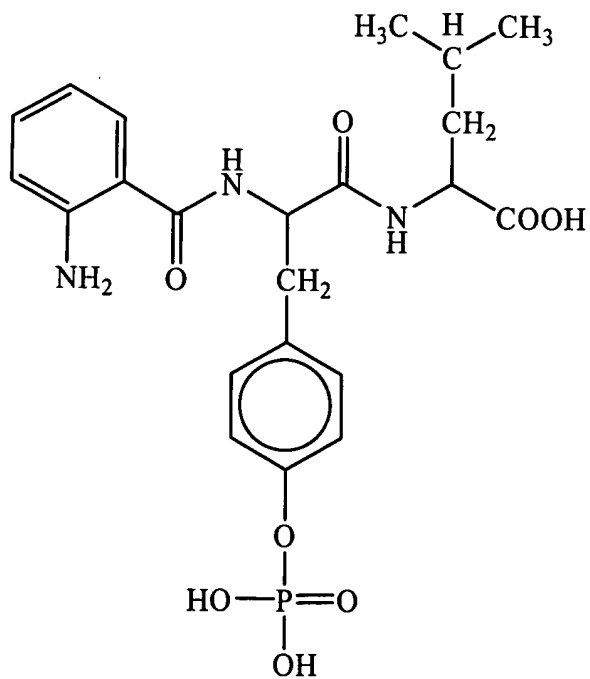
10 (previously presented). A method for inhibiting growth or replication, or inducing apoptosis in a target cell, said method comprising contacting the target cell with a peptidomimetic of claim 1 or a composition of claim 9.

11 (currently amended). The method according to claim 10, wherein said peptidomimetic is selected from the group consisting of:



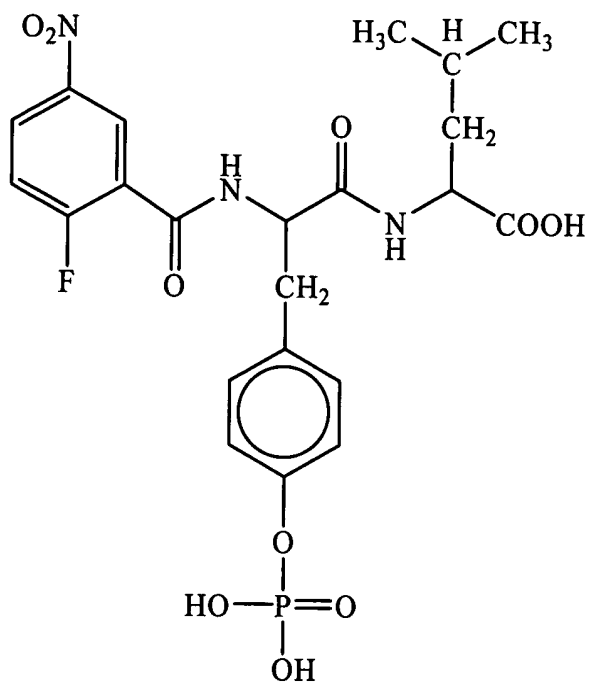
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[[or]]



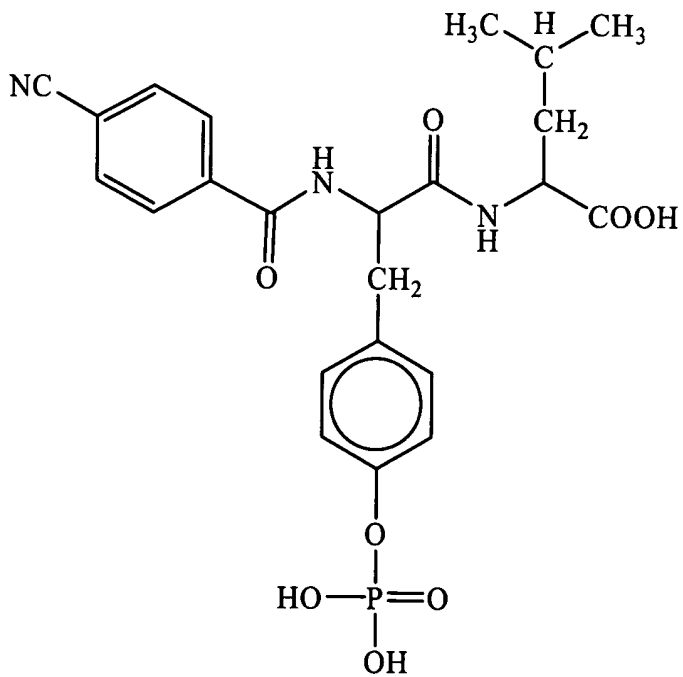
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[[or]]



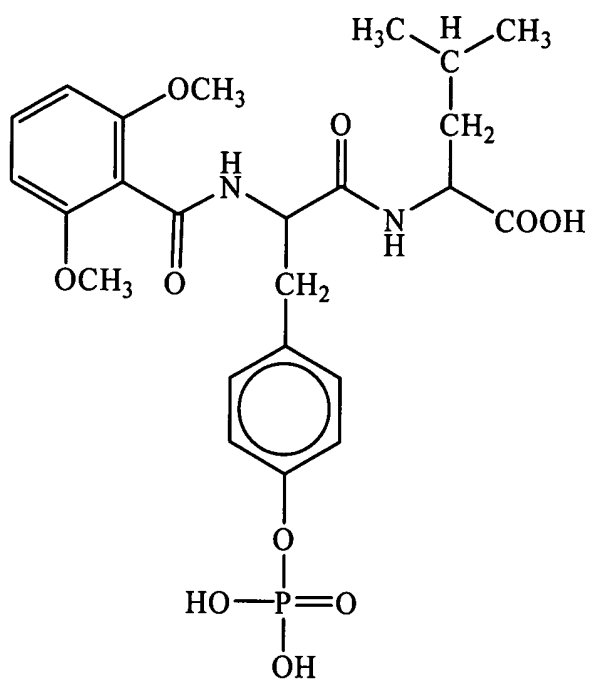
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[[or]]



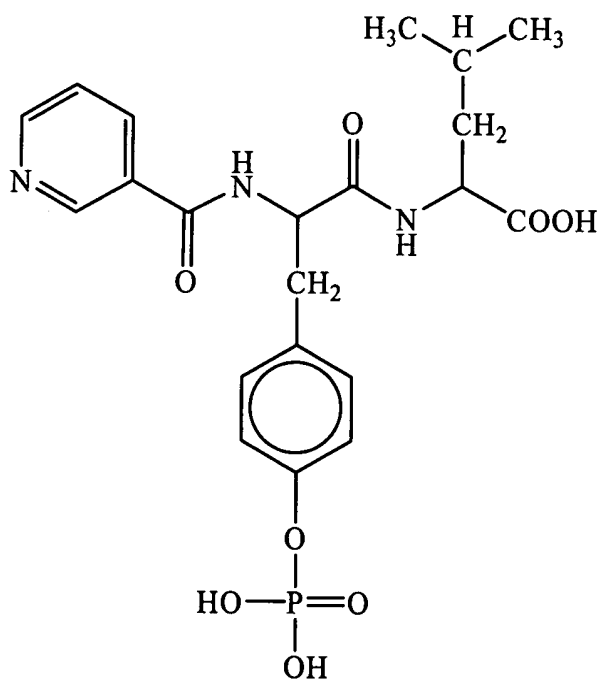
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[[or]]



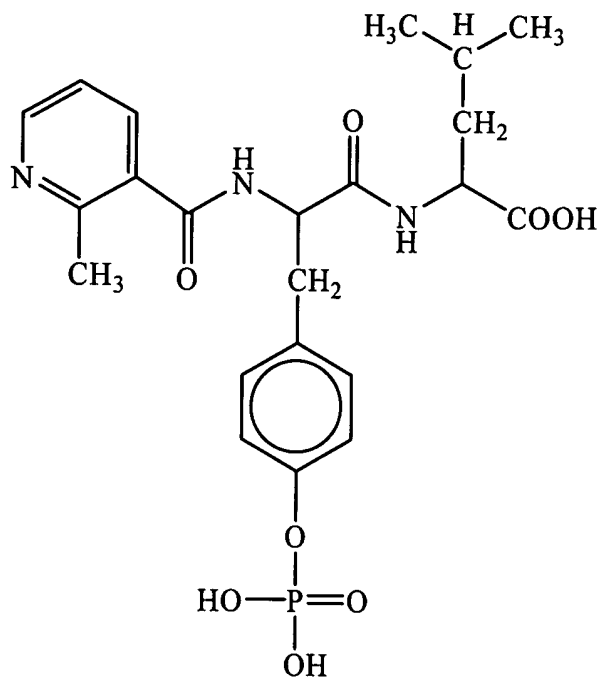
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[[or]]



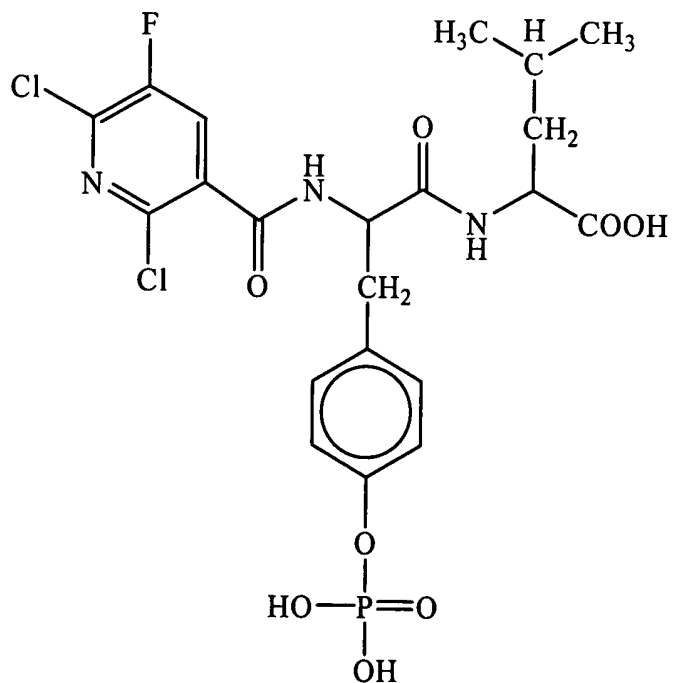
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[[or]]



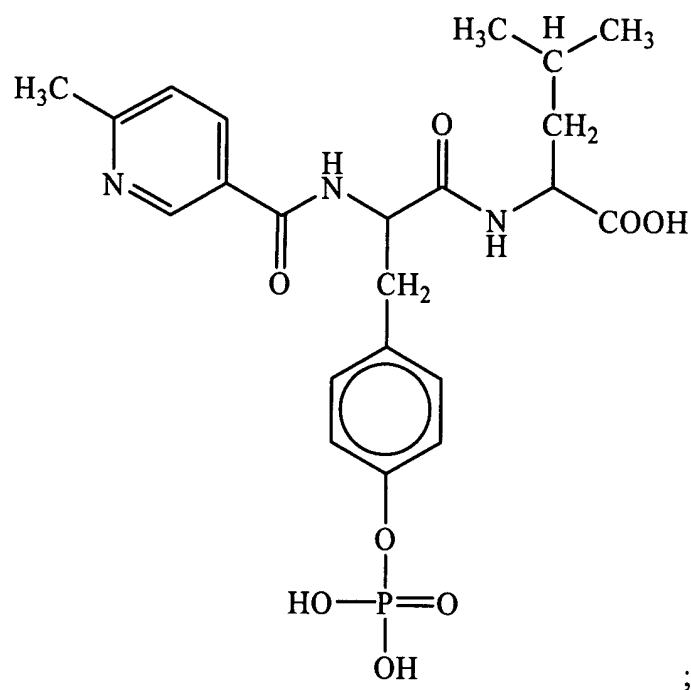
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[[or]]



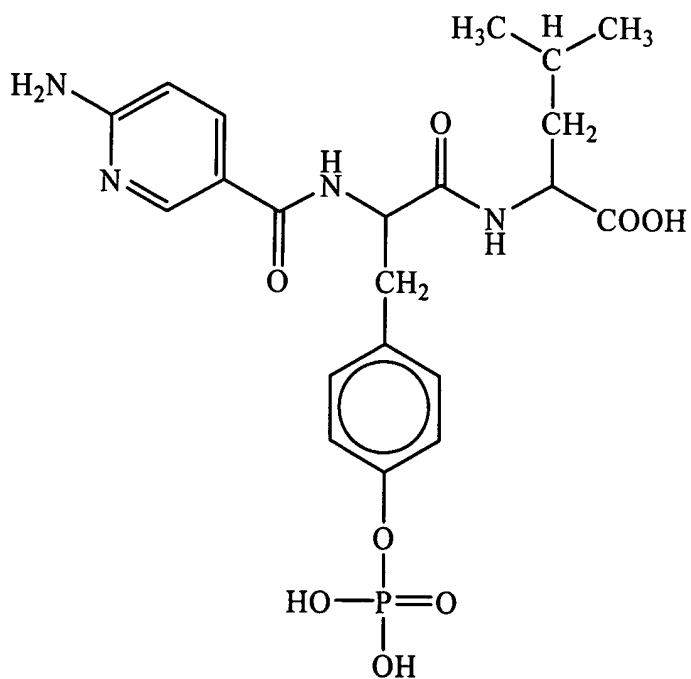
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[[or]]



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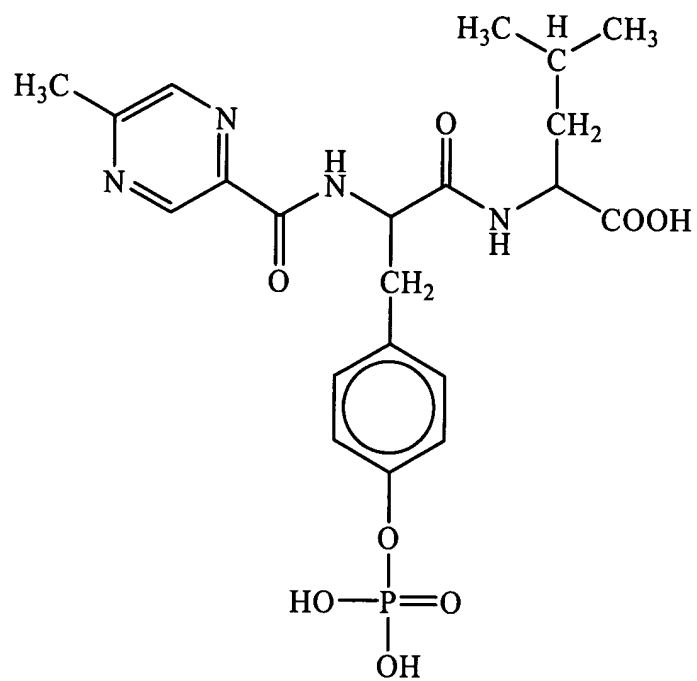
[[or]]



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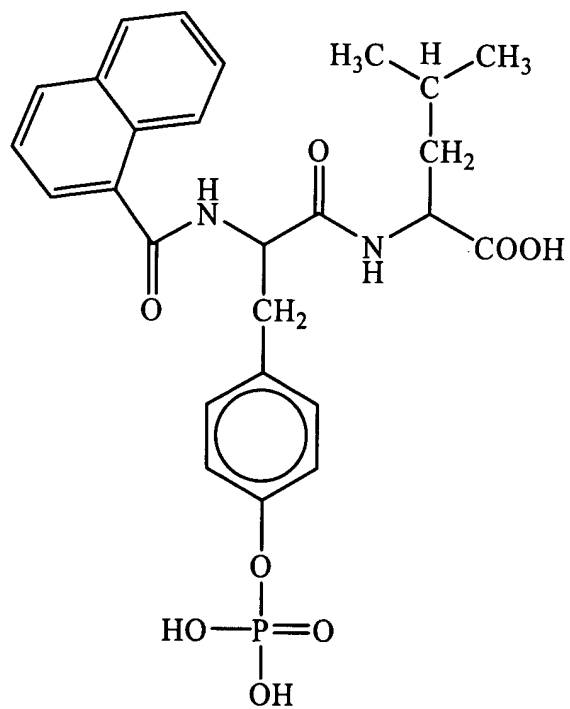


[[or]]



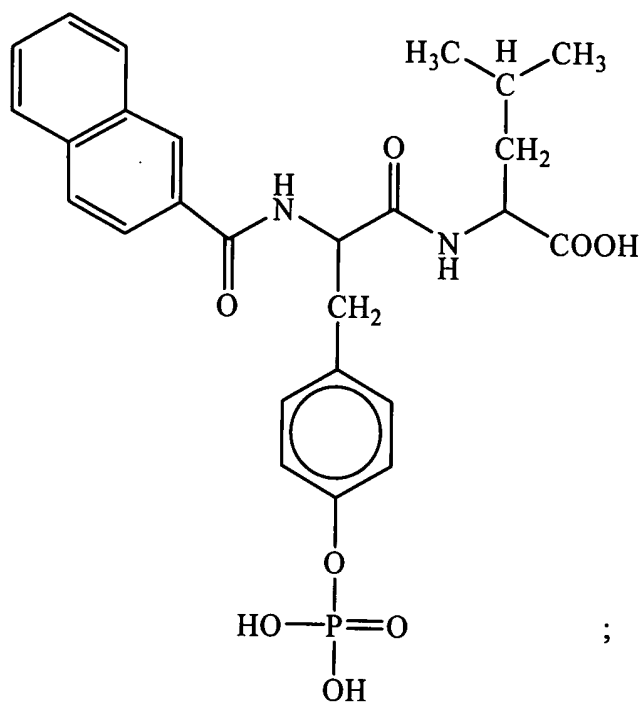
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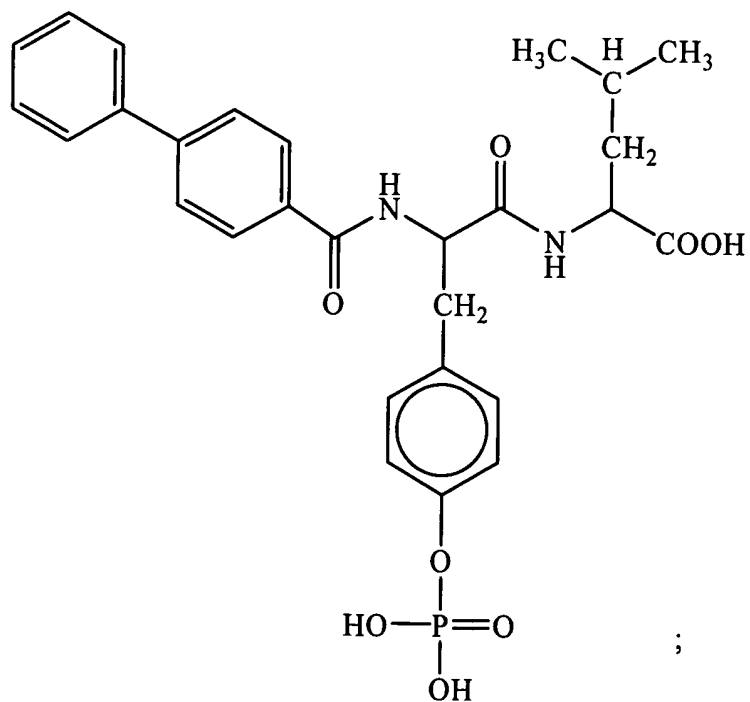


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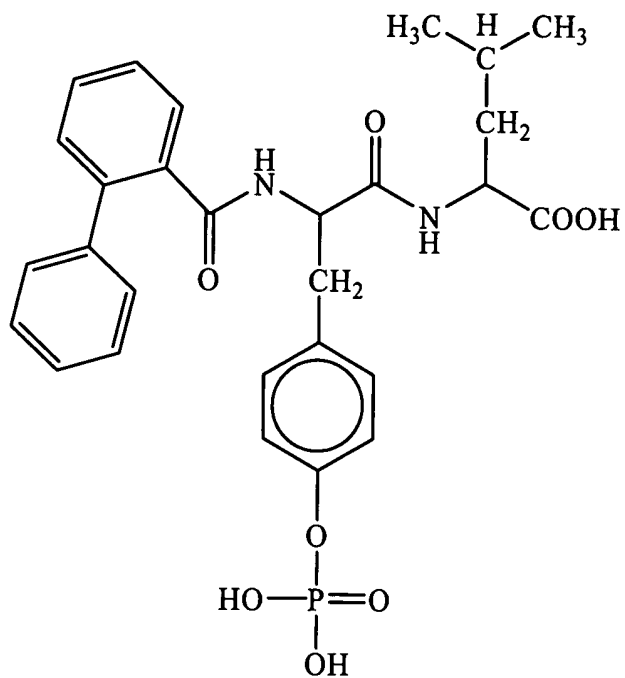
[[or]]



[[or]]

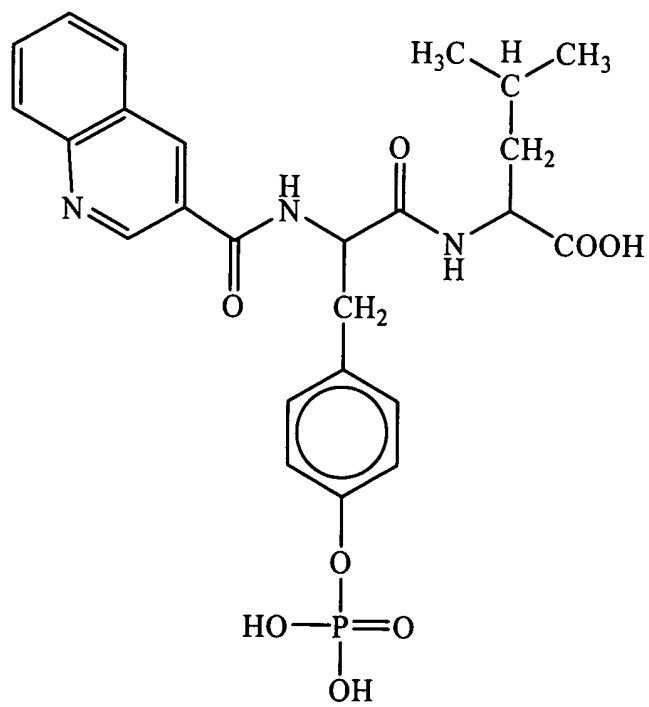


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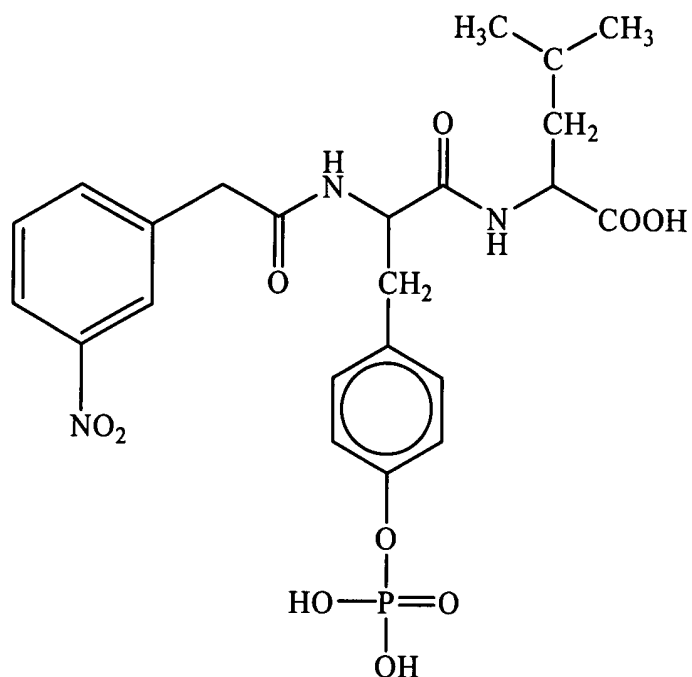
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[[or]]



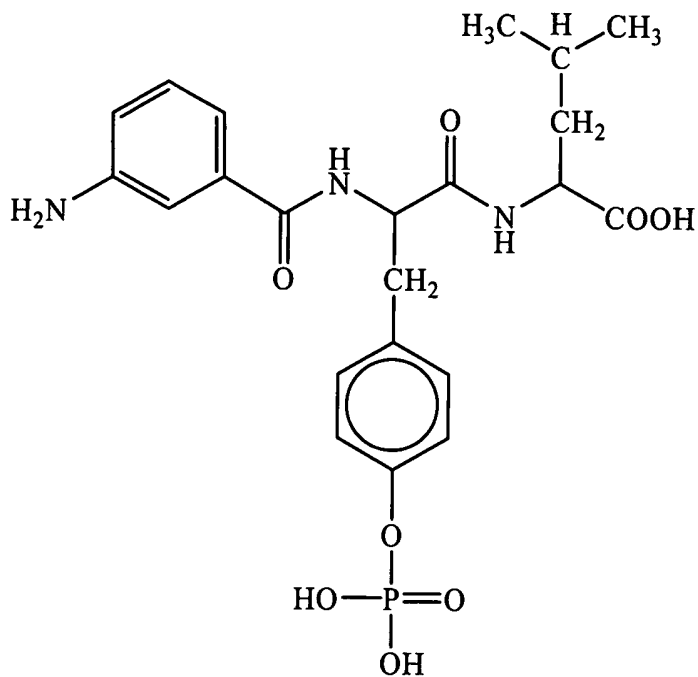
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and



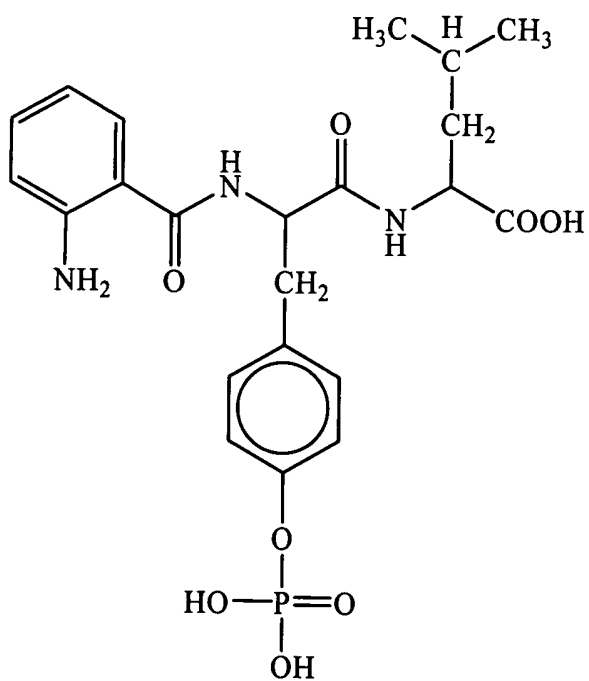
12 (previously presented). A method for treating a tumor or an oncological disorder in a human or animal, said method comprising administering an effective amount of a peptidomimetic of claim 1 or a composition of claim 9 to the human or animal.

13 (currently amended). The method according to claim 12, wherein said peptidomimetic is selected from the group consisting of:



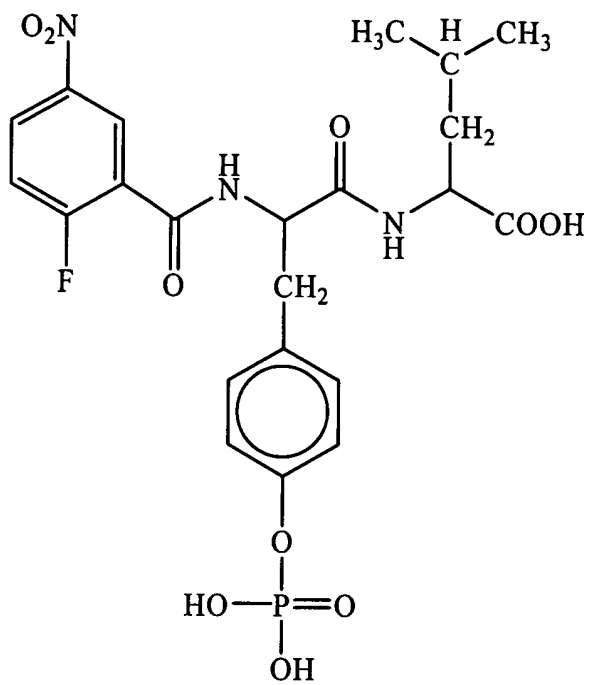
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[[or]]



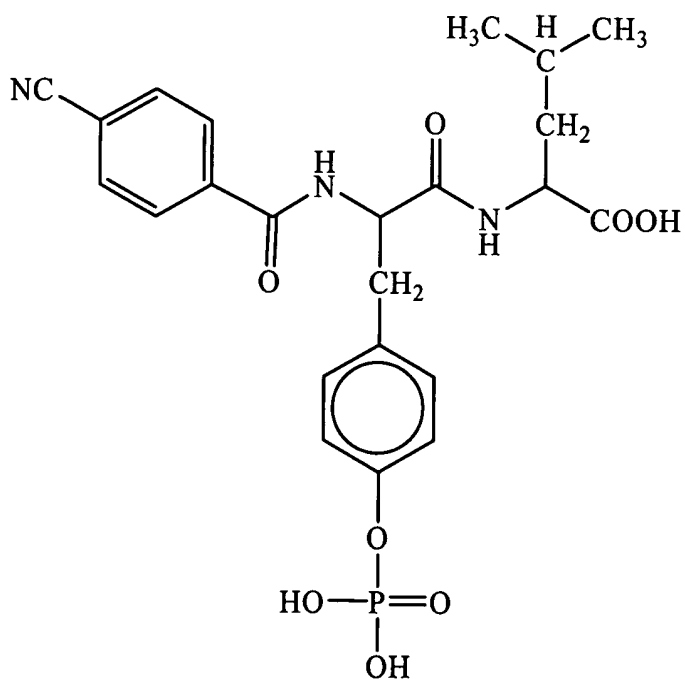
;

[[or]]



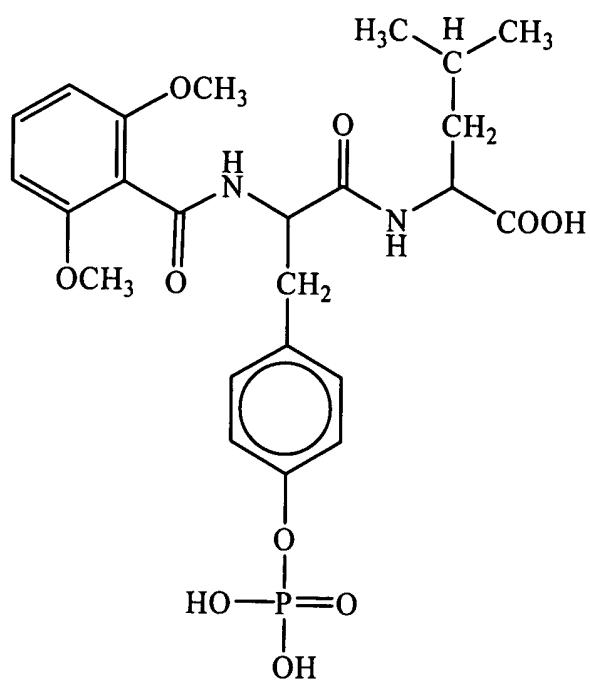
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[[or]]



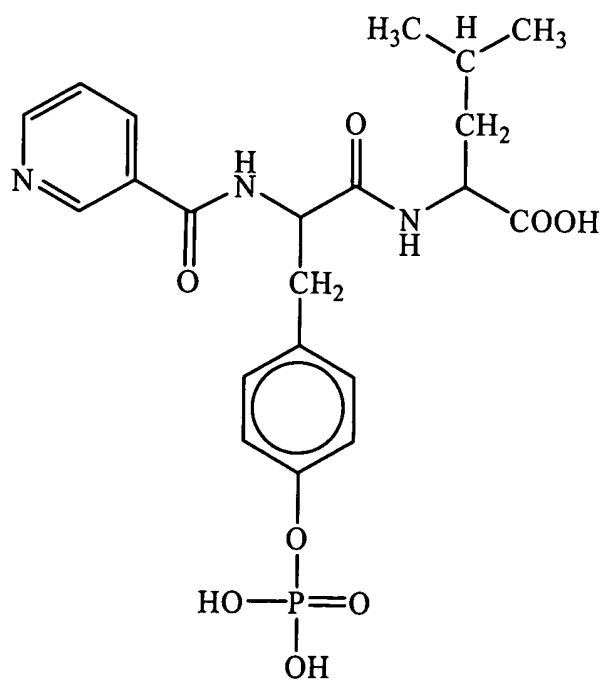
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[[or]]



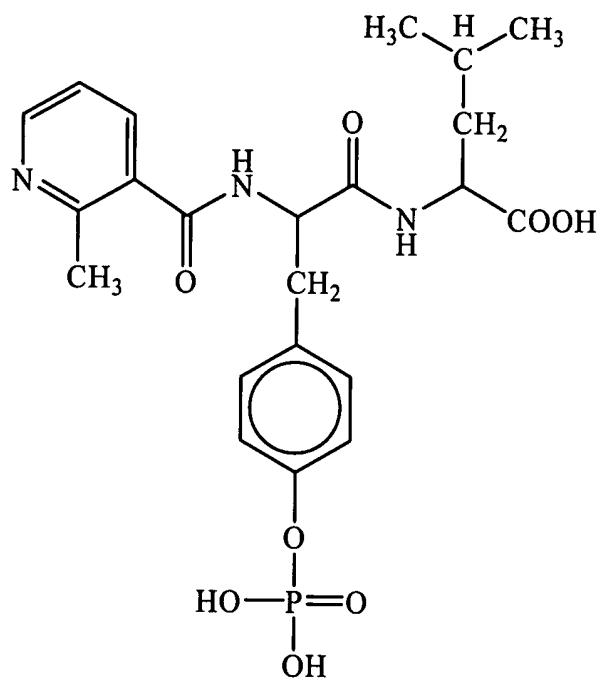
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[[or]]



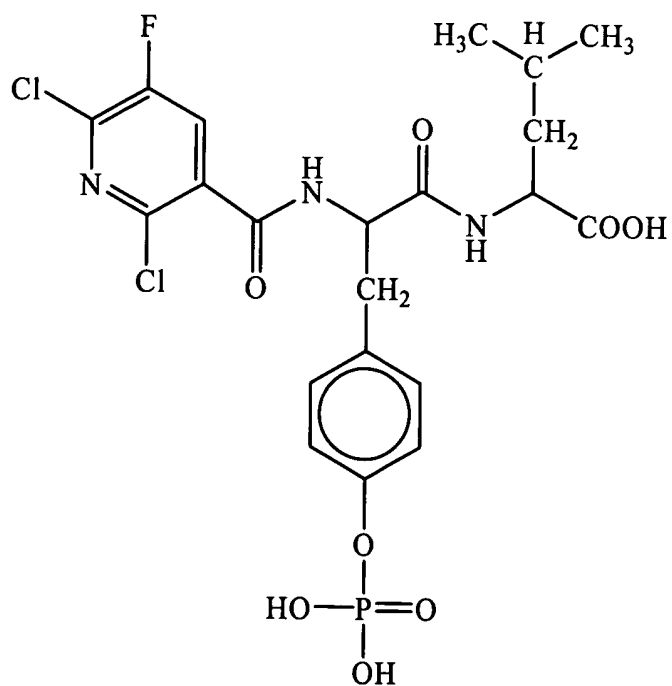
;

[[or]]



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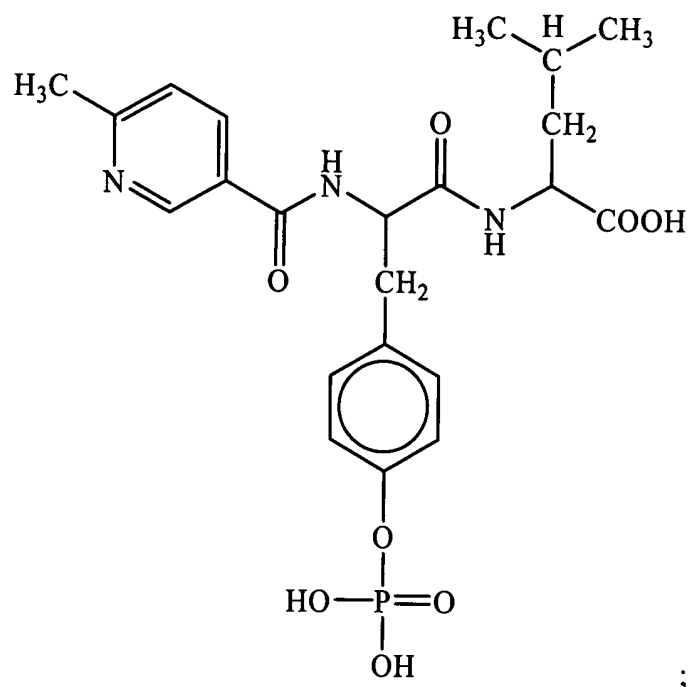
[[or]]



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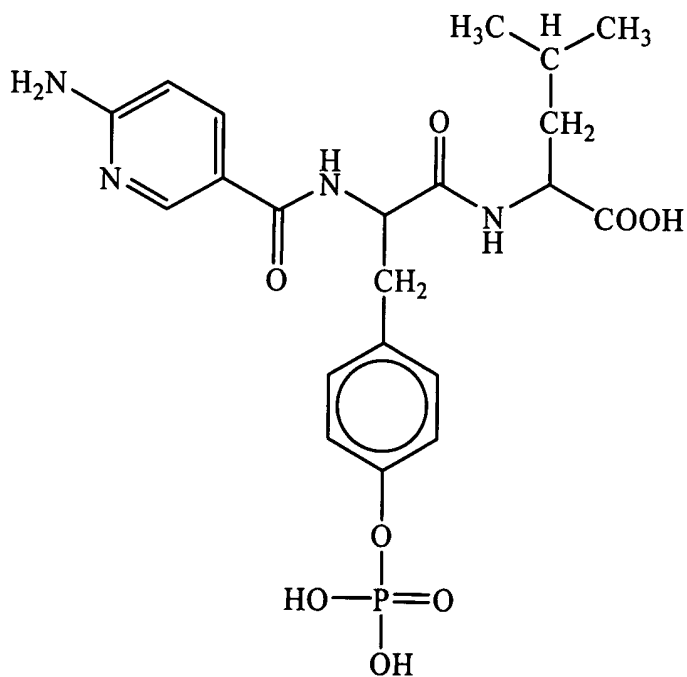


[[or]]



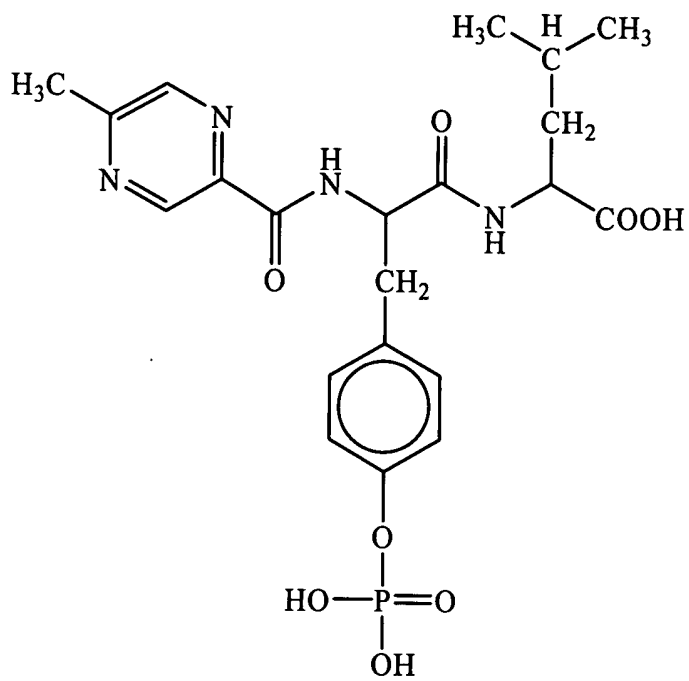
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[[or]]



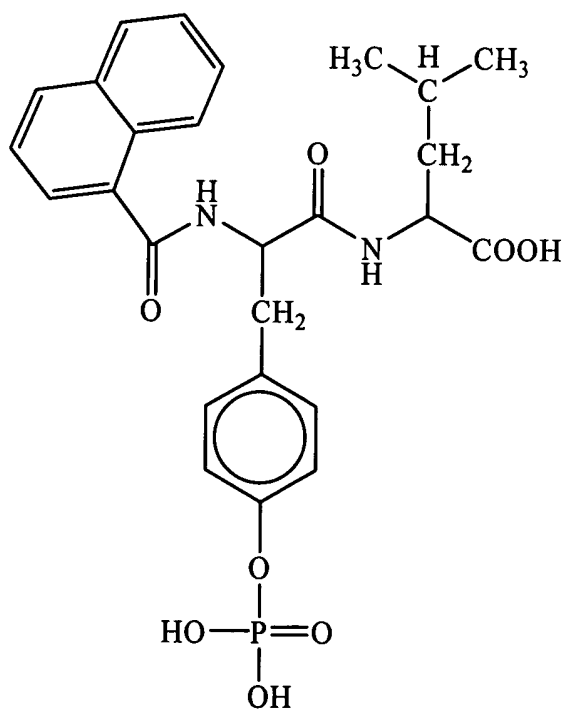
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[[or]]



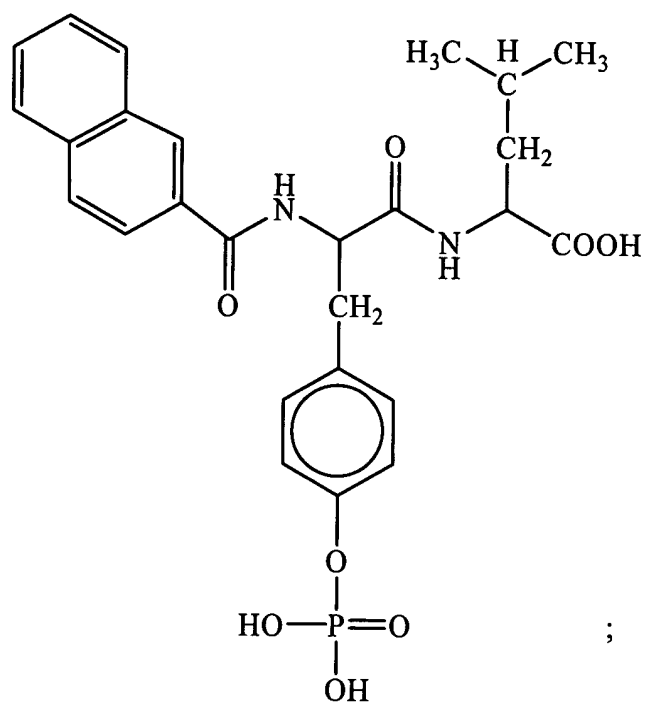
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[[or]]

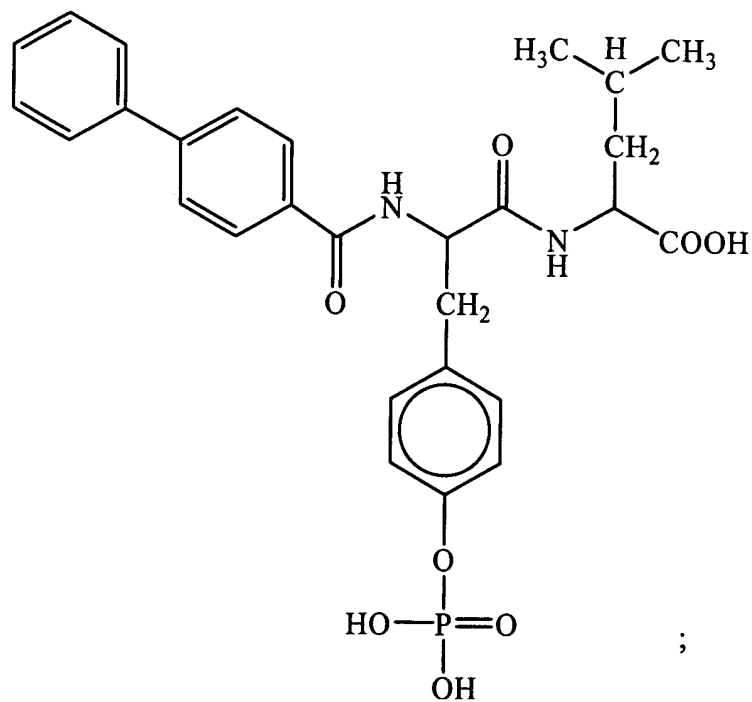


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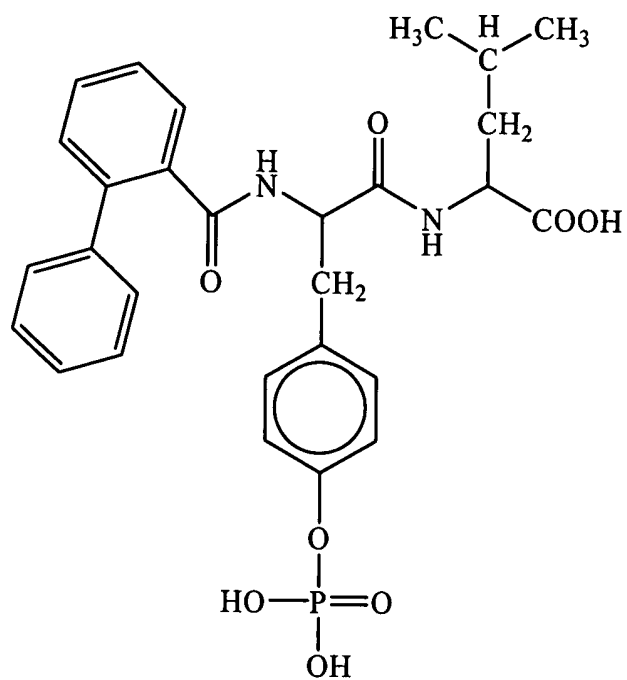
[[or]]



[[or]]

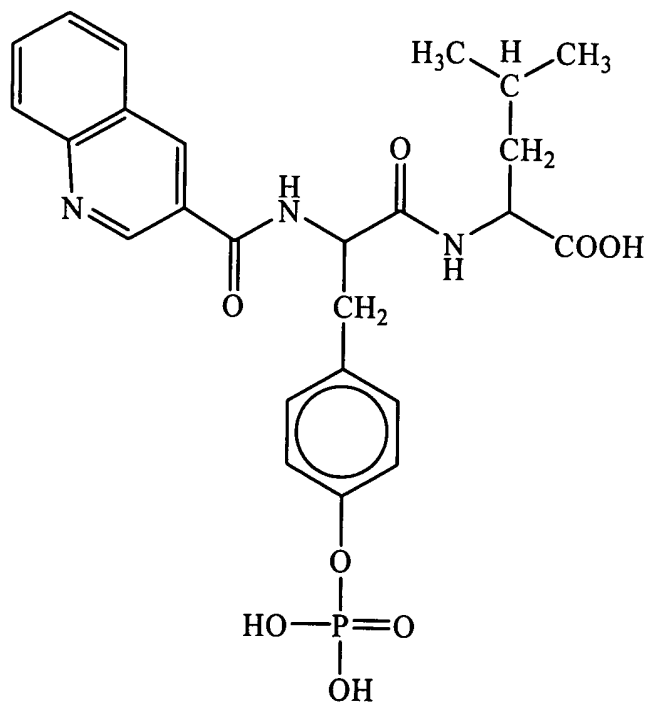


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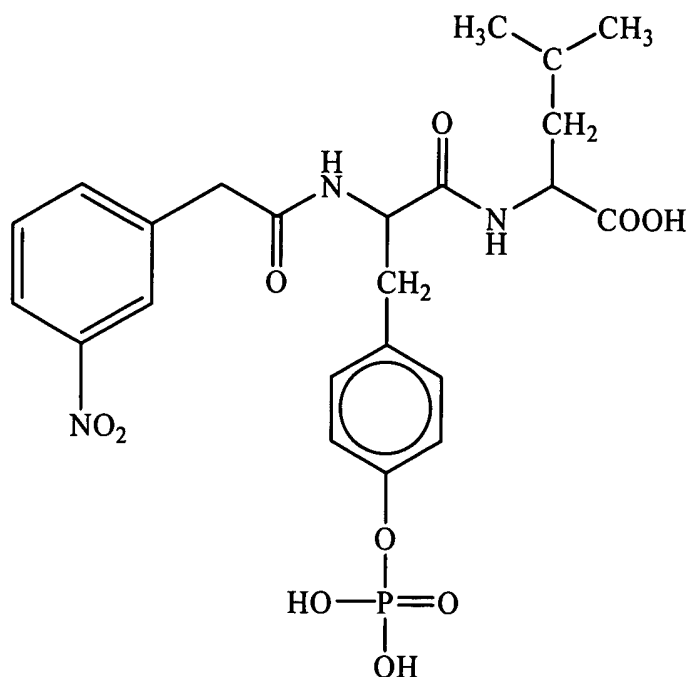
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[[or]]



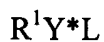
;

and



14 (previously presented). The method according to claim 12, wherein said tumor or oncological disorder is selected from the group consisting of breast, kidney, mouth, larynx, esophagus, stomach, testis, cervix, head, neck, colon, ovary, lung, bladder, skin, muscle, pancreas, prostate, bone, eye, blood cells, and brain.

15 (currently amended). A peptidomimetic having the formula:



wherein

$R^1$  is selected from the group consisting of ~~alkoxy, cycloalkyl, cycloalkoxy, aryl, aryloxy, alkylcarbonyl, alkoxy carbonyl, cycloalkylcarbonyl, heteroalkyl, heterocycloalkylcarbonyl, heteroaryl, arylcarbonyl, heteroarylcarbonyl, aryloxy carbonyl, heteroaryl oxy carbonyl, heterocycloalkoxy, or heterocycloalkoxy carbonyl, aryl or heteroaryl, any either~~ of which can be optionally substituted with

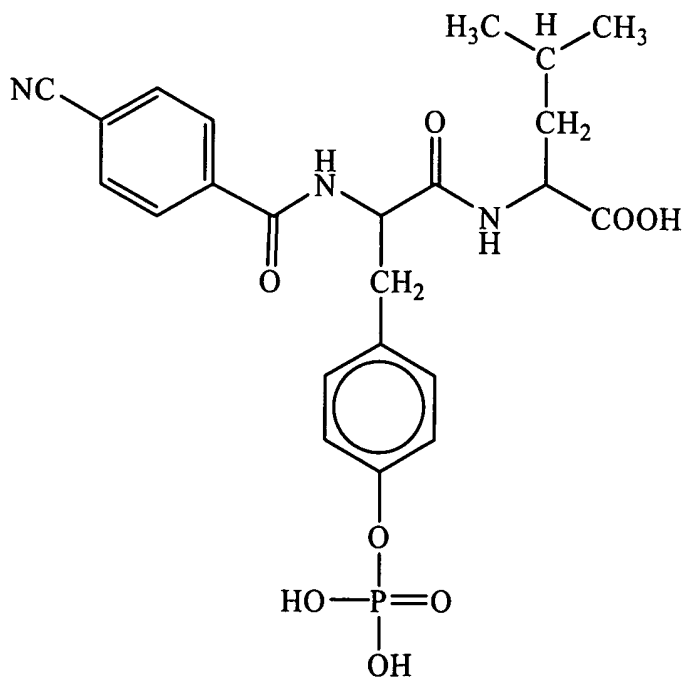
one or more of the following: any halogen, -CN, -COOH, =O, -OH, -NO<sub>2</sub>, -NH<sub>2</sub>, -N-alkyl, alkyl, alkoxy, cycloalkyl, cycloalkoxy, aryl, aryloxy, alkylcarbonyl, alkoxycarbonyl, cycloalkylcarbonyl, heteroalkyl, heterocycloalkyl, heterocycloalkylcarbonyl, heteroaryl, arylcarbonyl, heteroarylcarbonyl, aryloxycarbonyl, heteroaryloxycarbonyl, heterocycloalkoxy, and heterocycloalkoxycarbonyl;

Y\* is phosphotyrosine, wherein the aromatic ring of phosphotyrosine can be optionally substituted with any halogen, -OH, -NO<sub>2</sub>, -NH<sub>2</sub>, -COOH, alkyl, or alkoxy;

L is leucine, alanine or valine~~another non-polar amino acid~~;  
or a salt thereof.

16 (canceled).

17 (previously presented). The peptidomimetic according to claim 1, wherein the peptidomimetic has the structure:



18-19 (canceled).

20 (previously presented). The peptidomimetic according to claim 15, wherein said phosphotyrosine is optionally substituted with  $-\text{CH}_3$  or  $-\text{OCH}_3$ .

21 (previously presented). The peptidomimetic according to claim 1, wherein  $\text{R}^1$  is aryl optionally substituted with one or more halogen,  $-\text{CN}$ ,  $-\text{COOH}$ ,  $=\text{O}$ ,  $-\text{OH}$ ,  $-\text{NO}_2$ ,  $-\text{NH}_2$ ,  $-\text{N-alkyl}$ , alkyl, alkoxy, cycloalkyl, cycloalkoxy, aryl, aryloxy, alkylcarbonyl, alkoxycarbonyl, cycloalkylcarbonyl, heteroalkyl, heterocycloalkyl, heterocycloalkylcarbonyl, heteroaryl, arylcarbonyl, heteroarylcarbonyl, aryloxycarbonyl, heteroaryloxycarbonyl, heterocycloalkoxy, or heterocycloalkoxycarbonyl.

22 (previously presented). The peptidomimetic according to claim 21, wherein said aryl is phenyl.

23 (previously presented). The peptidomimetic according to claim 21, wherein said aryl is naphthyl or biphenyl.

24 (previously presented). The peptidomimetic according to claim 1, wherein  $\text{R}^1$  is heteroaryl optionally substituted with one or more halogen,  $-\text{CN}$ ,  $-\text{COOH}$ ,  $=\text{O}$ ,  $-\text{OH}$ ,  $-\text{NO}_2$ ,  $-\text{NH}_2$ ,  $-\text{N-alkyl}$ , alkyl, alkoxy, cycloalkyl, cycloalkoxy, aryl, aryloxy, alkylcarbonyl, alkoxycarbonyl, cycloalkylcarbonyl, heteroalkyl, heterocycloalkyl, heterocycloalkylcarbonyl, heteroaryl, arylcarbonyl, heteroarylcarbonyl, aryloxycarbonyl, heteroaryloxycarbonyl, heterocycloalkoxy, or heterocycloalkoxycarbonyl.

25 (previously presented). The peptidomimetic according to claim 24, wherein said heteroaryl is pyridyl, pyrimidyl, quinolinyl, or isoquinolinyl.